### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau



### - 1 0000 8111000 11 001110 11011 00111 00111 0111 1111 01111 01111 01111 01111 01111 01111 01111 01111 01111

(43) International Publication Date 7 July 2005 (07.07.2005)

**PCT** 

## (10) International Publication Number WO 2005/060735 A1

- (51) International Patent Classification<sup>7</sup>: A01G 23/091 // B27G 19/00
- (21) International Application Number:

PCT/FI2004/000787

(22) International Filing Date:

21 December 2004 (21.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 20031893

22 December 2003 (22.12.2003)

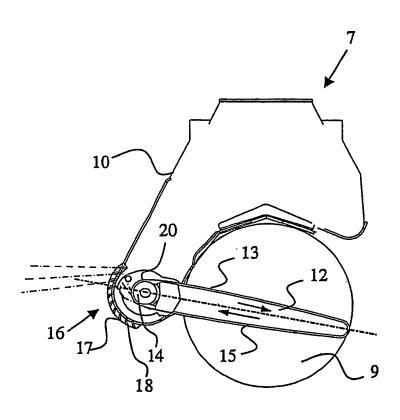
- (71) Applicant (for all designated States except US): PONSSE OYJ [FI/FI]; Karankamäentie 22, FI-74200 Vieremä (FI).
- (72) Inventors; and

(75) Inventors/Applicants (for US orly): HYVÖNEN, Jorma [FI/FI]; Kukkulakuja 12, FIN-74120 lisalmi (FI). HUT-TUNEN, Markku [FI/FI]; Auringonkehrä 8 C 20, FIN- 74120 Iisalmi (FI). HOTTI, Eero [FI/FI]; Pyöreenmäentie 161, FIN-74300 Sonkajärvi (FI).

- (74) Agent: KOLSTER OY AB; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

### (54) Title: ARRANGEMENT IN CONNECTION WITH CROSSCUTTING SAW OF HARVESTER



(57) Abstract: The present invention relates to an arrangement in connection with a crosscutting saw of a harvester (1). Herein, a lattice-like structure composed of strips (17) is provided in a saw casing (10) of the crosscutting saw, the structure being substantially on the same section plane as the rotational movement of a chain (12) of the crosscutting saw. The strips are arranged in the saw casing in such a manner that substantially each movement path tangent generated at a lower edge (16) in a guide bar (13) of the chain or at an outer track (20) on the side of the saw casing in the chain wheel is arranged to encounter a surface (19) in the strip. This provides a structure that enhances a controlled removal of sawdust or other pieces flowing to the saw casing (10) during sawing.

BEST AVAILABLE COPY

SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

### Declarations under Rule 4.17:

as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK. TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG)

of inventorship (Rule 4.17(iv)) for US only

#### Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.